A. Permit Certificate

DRAFT 6/17/05
MUNICIPAL
WASTEWATER-LAND APPLICATION PERMIT
LA-0000174-02

Hidden Springs Sewer Company, L.L.C. (HSSC), LOCATED AT **5892 West Hidden Springs Drive, Hidden Springs, Idaho 83714** AND IN **Township 4 North, Range 2 East, Sections 4, 5 and 6 and Township 5 North, Range 2 East Sections 28, 29, 31, 32 and 33, Ada County** IS HEREBY AUTHORIZED TO CONSTRUCT, INSTALL, AND OPERATE A WASTEWATER-LAND APPLICATION TREATMENT SYSTEM IN ACCORDANCE WITH THE WASTEWATER-LAND APPLICATION RULES (IDAPA 58.01.17), THE WATER QUALITY STANDARDS AND WASTEWATER TREATMENT REQUIREMENTS (IDAPA 58.01.02), THE GROUND WATER QUALITY RULE (IDAPA 58.01.11), AND ACCOMPANYING PERMIT APPENDICES AND REFERENCE DOCUMENTS. THIS PERMIT IS EFFECTIVE FROM THE DATE OF SIGNATURE AND EXPIRES ON **(60 months from issue date)**.

_____

Michael R. McGown, Administrator
Boise Regional Office
Idaho Department of Environmental Quality

Date: _____

DEPARTMENT OF ENVIRONMENTAL QUALITY
1445 North Orchard
Boise, Idaho 83706-2239
(208) 373-0550

POSTING ON SITE RECOMMENDED

B. Permit Contents, Appendices, and Reference Documents

The Sections, Appendices, and Reference Documents listed on this page are all elements of Wastewater-Land Application Permit LA-000174-02 and are enforceable as such. This permit does not relieve the Hidden Springs Sewer Company, L.L.C., hereafter referred to as the permittee, from responsibility for compliance with other applicable federal, state or local laws, rules, standards or ordinances.

C. Abbreviations, Definitions

Ac-in	Acre-inch. The volume of water or wastewater to cover 1 acre of land to a depth of 1 inch. Equal to 27,154 gallons.
BMP or BMPs	Best Management Practices
COD	Chemical Oxygen Demand
DEQ or the Department	Idaho Department of Environmental Quality
Director	Director of the Idaho Department of Environmental Quality, or the Directors Designee, i.e. Regional Administrator
ET	Evapotranspiration – Loss of water from the soil and vegetation by evaporation and by plant uptake (transpiration)
GS	Growing Season – Typically April 01 through October 31 (214 days)
GW	Ground Water
GWQR	IDAPA 58.01.11 "Ground Water Quality Rule"
Handbook or Guidelines	"Guidance for Land Application of Municipal and Industrial Wastewater - October 2004"
HLRgs	Growing Season Hydraulic Loading Rate. Includes any combination of wastewater and supplemental irrigation water applied to land application hydraulic management units during the growing season. The HLRgs limit is specified in Section F. Permit Limits and Conditions.
HLRngs	Non-Growing Season Hydraulic Loading Rate. Includes any combination of wastewater and supplemental irrigation water applied to each hydraulic management unit during the non-growing season. The HLRngs limit is specified in Section F. Permit Limits and Conditions.
HMU	Hydraulic Management Unit (Serial Number designation is MU)
IWR	Irrigation Water Requirement – Any combination of wastewater and supplemental irrigation water applied at rates commensurate to the moisture requirements of the crop, and calculated monthly during the growing season (GS). Calculation methodology for the IWR can be found at the following website: http://www.kimberly.uidaho.edu/water/appndxet/index.shtml. The equation used to calculate the IWR at this website is: $IWR = (CU - P_e) / E_i$ CU is the monthly consumptive use for a given crop in a given climatic area. CU is synonymous with crop evapotranspiration P_e is the effective precipitation. CU minus Pe is synonymous with the net irrigation requirement (IR) E_i is the irrigation system efficiency. To obtain the gross irrigation water requirement (IWR), divide the IR by the irrigation system efficiency.
IDAPA	Idaho Administrative Procedures Act.
LG	Lagoon
lb/ac-day	Pounds (of constituent) per acre per day
MG	Million Gallons (1 MG = 36.827 acre-inches)
MGA	Million Gallons Annually (per WLAP Reporting Year)
NGS	Non-Growing Season – Typically November 01 through March 31 (151 days)
NVDS	Non-Volatile Dissolved Solids (= Total Dissolved Solids less Volatile Dissolved Solids)
O&M manual	Operation and Maintenance Manual, also referred to as the Plan of Operation
SAR	Sodium Absorption Ratio
SI	Supplemental Irrigation water applied to the land application treatment site.
Soil AWC	Soil Available Water Holding Capacity - the water storage capability of a soil to a depth at which plant roots will utilize (typically 60 inches or root limiting layer)
SMU	Soil Monitoring Unit (Serial Number designation is SU)
SW	Surface Water
TDS	Total Dissolved Solids or Total Filterable Residue

C. Abbreviations, Definitions

TDIS	Total Dissolved Inorganic Solids – The summation of chemical concentration results in mg/L for the following common ions: calcium, magnesium, potassium, sodium, chloride, sulfate, and 0.6 times alkalinity (alkalinity expressed as calcium carbonate). Nitrate, Silica and fluoride shall be included if present in significant quantities (i.e. > 5 mg/L each).
TMDL	Total Maximum Daily Load – The sum of the individual waste-load allocations (WLA's) for point sources, Load Allocations (LA's) for non-point sources, and natural background. Such load shall be established at a level necessary to implement the applicable water quality standards with seasonal variations and a margin of safety that takes into account any lack of knowledge concerning the relationship between effluent limitations and water quality. IDAPA 58.01.02 *Water Quality Standards and Wastewater Treatment Requirements*
Typical Crop Uptake	Typical Crop Uptake is defined as the median constituent crop uptake from the three (3) most recent years the crop has been grown. Typical Crop Uptake is determined for each hydraulic management unit. For new crops having less than three years of on-site crop uptake data, regional crop yield data and typical nutrient content values, or other values approved by DEQ may be used.
USGS	United States Geological Survey
WLAP	Wastewater Land Application Permit (or Program)
WLAP Reporting Year	The reporting year begins with the non-growing season and extends through the growing season of the following year, typically November 01 – October 31. For example, the 2000 Reporting Year was November 01, 1999 through October 31, 2000.
WW	Wastewater applied to the land application treatment site

D. Facility Information

Legal Name of Permittee	Hidden Springs Sewer Company, L.L.C.
Type of Wastewater	Municipal Wastewater
Method of Treatment	Lagoon (anaerobic/aerobic) treatment, sand filtration, chlorine disinfection, and slow-rate land application
Type of Facility	Privately owned municipal wastewater treatment system
Facility Location	Located in the foothills, approximately 5 miles north of State Street, Boise
Legal Location	Township 4N, Range 2E, Sections 4, 5, and 6 Township 5N, Range 2E, Sections 28, 29, 31, 32, and 33
County	Ada
USGS Quad	1. Eagle 2. Boise North
Soils on Site	Loam, sandy loam, sandy clay loam
Depth to Ground Water	Depth to seasonal high ground water along Dry Creek and in the side valleys south of Dry Creek, 1 to 10 feet below ground surface during winter/spring. Depth to first water: 1 to 10 feet Depth to regional aquifer: 100 to 300 feet
Beneficial Uses of Ground Water	Agriculture, Domestic
Nearest Surface Water	Dry Creek
Beneficial Uses of Surface Water	Agriculture
Responsible Official **Mailing Address** **Phone / Fax**	Franklin A. Martin 5892 West Hidden Springs Drive Hidden Springs, ID 83714 (208) 229-2323 / (208) 229-2327
Facility Consultants **Mailing Address** **Phone / Fax**	Operations Management Consulting Services, L.L.C. 9245 W. Bay Stream Court Boise, ID 83714 (208) 853-6650 (phone and fax)

E. Compliance Schedule for Required Activities

The Activities in the following table shall be completed on or before the Completion Date unless modified by the Department in writing.

Compliance Activity Number Completion Date	Compliance Activity Description
CA-174-01 **Reuse Area Designation** As specified	Submit plans, for DEQ review and approval, at least 30 days prior to putting a new or modified reclaimed wastewater reuse area (within a permitted hydraulic management unit) into service. The submittal shall include a site plan (map) of the reuse area including key land features, the proposed use of the area (agriculture, landscape irrigation, public gathering area…), the irrigation system design, and the location of nearby buffer objects (if any).
CA-174-02 **Plan of Operation** 6 months after permit issuance	An updated Plan of Operation (Operation and Maintenance Manual or O&M Manual) for the reclaimed wastewater facilities, incorporating the requirements of this permit, shall be submitted to DEQ for review and comment. The O&M manual shall be designed for use as an operator guide for actual day-to-day operations to meet permit requirements and shall include daily sampling and monitoring requirements to insure proper operation of the wastewater treatment facility. The Plan of Operation shall contain at a minimum all of the information required by the latest revision of the Plan of Operation Checklist in the WLAP Program Guidance. Upon approval, the manual shall be incorporated by reference into this permit and shall be enforceable as a part of this permit.
CA-174-03 **Seepage Rate Testing** As specified	Conduct seepage rate testing on Cell 1, Cell 2, and the storage lagoon in accordance with DEQ procedures (refer to DEQ internet site) or a method approved by DEQ. Three (3) months after the permit issue date: ▪ Submit seepage rate test protocol for DEQ review and approval. Twelve (12) months after the permit issue date: ▪ Complete seepage rate test and submit results for DEQ review and approval.
CA-174-04 **Seepage Rate Plan** As specified	DEQ practice generally allows 0.125 inches/day or less for existing wastewater structures or ponds. If a structure or pond does not meet these seepage requirements, submit a plan and schedule for DEQ review within 90 days after DEQ review and approval of the seepage test results, to either repair, replace, or abandon the structure or pond.

F. Permit Limits and Conditions

1) The Permittee is allowed to land apply reclaimed wastewater at locations prescribed in the tables below and in accordance with all other applicable permit conditions and schedules.

Category	Permitted Limits and Conditions
Type of Wastewater	Municipal Wastewater
Application Site Area	Agricultural: 74.94 acres (9.54 acres + 65.4 acres) Landscape Irrigation: 11.11 acres Public Gathering Areas: 19.46 acres Total: 105.51 acres
Application Season	March 1 through November 30
Reporting Year for Annual Loading Rates	January 1 through December 31
Certified Operator	The permittee shall comply with the Operator Certification requirements specified in the Water Quality Standards and Wastewater Treatment Requirements (IDAPA 58.01.02): http://www2.state.id.us/adm/adminrules/rules/idapa58/0102.pdf 1. The system shall be operated and managed by personnel certified and licensed in the State of Idaho wastewater operator-training program as specified in IDAPA 58.01.02, section 404 and properly trained to operate and maintain the system; and 2. The wastewater operator class level shall be at, or above the class determined by IDAPA 58.01.02, section 403. In addition, the certified operator shall obtain the land application operator endorsement when training and examination for the endorsement become available.
Maximum Application Volume of Reclaimed Wastewater, Wastewater Treatment System #1	52.7 million gallons per year
Maximum Hydraulic Loading Rate, Growing Season, Agricultural Areas **(includes reclaimed wastewater, precipitation, and supplemental irrigation water, if used)**	Growing Season (GS) Hydraulic Loading Rate shall be no greater than the Irrigation Water Requirement (IWR) using data from the tables of the following University of Idaho web site: http://www.kimberly.uidaho.edu/water/appndxet/index.shtml. IWR is equal to the Mean IR data from these tables divided by the irrigation system efficiency. In lieu of these tables, current climatic and evaporation data, or 30-year average data may be used to calculate the IWR, as defined in the "Guidance for Land Application of Municipal and Industrial Wastewater - October 2004". Assume no carryover soil moisture and a leaching rate of zero in calculating the IWR. Application shall generally follow consumptive use rates for the crop throughout the season.
Ground Water Quality	Ground Water Quality shall be in compliance with *Idaho Ground Water Quality Rule* IDAPA 58.01.11

F. Permit Limits and Conditions

Category	Permitted Limits and Conditions
Construction Plans	Prior to construction or modification of all wastewater facilities associated with the land application system or expansion, detailed plans and specifications shall be reviewed and approved by DEQ. Within 30 days of completion of construction, the permittee shall submit as-built plans for review and approval.
Grazing	A grazing management plan shall be submitted to DEQ for review and approval prior to any grazing activities. Grazing Plans shall follow the current version of the "Guidance for Land Application of Municipal and Industrial Wastewater".
Posting/Restricted Access	1. All areas for the reuse of reclaimed wastewater shall be posted in a manner that identifies these areas as using reclaimed wastewater for irrigation. 2. All irrigation risers, faucets, valve boxes, and vaults for the reclaimed wastewater system shall be clearly identified with the warning "Non-Potable Water" or equivalent. 3. Where access to the reclaimed wastewater is possible (hose connections, for example), provide locks or access restriction to prevent unauthorized use. 4. The 2003 Idaho Standards for Public Works Construction (2003 ISPWC), Section 900, requires PVC pipe used to carry reclaimed wastewater to be purple in color and stamped "Non-potable Water". Use this standard in future reclaimed wastewater distribution system projects. This standard does not apply to fixtures and appurtenances connected to the reclaimed wastewater system.
Supplemental Irrigation Water Protection	For systems with reclaimed wastewater and fresh irrigation water interconnections, DEQ-approved backflow prevention devices are required for protection of fresh irrigation water sources.
Odor Management	The wastewater treatment plant, land application facilities, and other operations associated with the facility shall not create a public health hazard or nuisance conditions, including odors.
Buffer Zones	The following minimum distances shall be provided between the buffer objects listed below and reclaimed wastewater reuse areas: Domestic Water Wells: 100 feet Irrigation Water Wells: 100 feet Municipal Water Wells: 100 feet (or meet Federal Safe Drinking Water Act requirements) Surface water: 0 feet (mitigation measures to prevent runoff into surface waters shall be employed) Inhabited Dwellings: 0 feet Areas of Public Access: 0 feet

F. Permit Limits and Conditions

Category	Permitted Limits and Conditions
Irrigation Scheduling	Application of reclaimed wastewater in Landscape Irrigation and Public Gathering Areas shall occur during periods of limited or restricted use. This is defined as from 8 pm to 8 am, or from sunset to sunrise, whichever is less restrictive. Application of reclaimed wastewater in Agricultural Areas does not require restricted irrigation scheduling.
Wastewater Treatment System #1 Requirements	
Influent Flow Rate, annual avg.	145,000 gallons per day
Treatment Cell Effluent	BOD_5: 30 mg/l monthly average maximum 85% removal (when influent BOD_5 is greater than 150 mg/l) TSS: 30 mg/l monthly average maximum 85% removal (when influent TSS is greater than 100 mg/l)
Filtration System Effluent	Turbidity: 5 NTU instantaneous maximum TSS: 5 mg/l monthly average maximum 7.5 mg/L weekly average maximum
Disinfection Requirements	The median number of total coliform organisms shall not exceed 2.2 per 100 milliliters, as determined from the results of the last seven (7) days for which analyses have been completed. In addition, the number of total coliform organisms shall not exceed 23 per 100 milliliters in any confirmed sample.
Free Chlorine Residual	0.5 mg/l (reclaimed wastewater sampling point near the primary lift station)

G. Monitoring Requirements

1) Appropriate analytical methods, as given in the "Guidance for Land Application of Municipal and Industrial Wastewater - October 2004", or as approved by the Idaho Department of Environmental Quality (hereinafter referred to as DEQ), shall be employed. A description of approved sample collection methods, appropriate analytical methods and companion QA/QC protocol shall be included in the Operation and Maintenance Manual.
2) The permittee shall monitor and measure parameters and submit information as stated in the Facility Monitoring Table in this section.
3) Samples shall be collected at times and locations that represent typical environmental and process parameters being monitored.
4) Monitoring locations are described in Appendix 1. Environmental Monitoring Serial Numbers.
5) Monitoring is required at the frequency shown in the table below if wastewater is applied anytime during the time period shown. Unless otherwise agreed in writing by the DEQ, data collected and submitted shall include, but not be limited to, the parameters and frequencies in the Facility Monitoring Table as follows.
6) If the soil management unit is less than 15 acres, use 5 sub-samples. If the soil management unit is greater than 15 acres, use 10 sub-samples.
7) Two (2) soil samples shall be collected at each sub-sample location, one at 0-12 inches and one at 12-24 inches. The soil samples collected at 0-12 inches from each sub-sample location shall be composited. Similarly, all soil samples collected at 12-24 inches shall be composited. This method will yield two samples for analysis, one for 0-12 inches and one for 12-24 inches for each soil management unit.
8) Annual reporting of monitoring requirements is described in Section H, Standard Reporting Requirements.

Facility Monitoring Table

Frequency	Monitoring Point	Description and Type of Monitoring	Parameters
Continuous (when reusing reclaimed wastewater)	Filtration System Effluent	Turbidity	Nephelometric Turbidity Units
Daily	Flow Meter	Volume of Wastewater to Treatment System	Gallons/day
Daily (when reusing reclaimed wastewater)	Flow Meter	Total Volume of Reclaimed Wastewater to Irrigation Distribution System	Gallons/day, Gallons/month
Daily (when reusing reclaimed wastewater)	Flow Meter	Volume of Reclaimed Wastewater to each Agricultural Area	Gallons/day, Gallons/month
Daily (when using supplemental irrigation water)	Flow Meter	Total Volume of Supplemental Irrigation Water	Gallons/day, Gallons/month

G. Monitoring Requirements

Frequency	Monitoring Point	Description and Type of Monitoring	Parameters
Daily (when using supplemental irrigation water)	Flow Meter	Volume of Supplemental Irrigation Water to each Agricultural Area	Gallons/day, Gallons/month
Daily (when reusing reclaimed wastewater)	Sample Point near Primary Lift Station	Grab sample of Reclaimed Wastewater	Free Chlorine Residual
Three Times per Week (when reusing reclaimed wastewater)	Sample Point near Primary Lift Station	Grab Sample of Reclaimed Wastewater	Total Coliform
Three Times per Week (when reusing reclaimed wastewater)	Filtration System Effluent	Composite Sample Prior to Disinfection (minimum of 4 equal aliquots over an 8-hour period)	Total Suspended Solids
Monthly	Treatment Cell Influent	Composite Sample (minimum of 4 equal aliquots over an 8-hour period)	Total Suspended Solids, 5-Day Biological Oxygen Demand
Monthly	Effluent from Treatment Cells	Grab Sample From Treatment Cells Entering the Storage Cell	Total Suspended Solids, 5-Day Biological Oxygen Demand
Monthly (when reusing reclaimed wastewater)	Sample Point near Primary Lift Station	Grab Sample of Reclaimed Wastewater	Total Kjeldahl Nitrogen, Nitrate -Nitrogen, Total Phosphorus, Total Dissolved Solids, Volatile Dissolved Solids
Three Times During Reclaimed Wastewater Application Season (near beginning, middle, and end)	Irrigation Control Boxes, Landscape Irrigation and Public Gathering Areas	Irrigation Control Settings	1. Record Irrigation Control Settings (Irrigation Schedules) for each Control Box. 2. Identify reuse areas associated with each irrigation control box.
Annually (March, to help guide the potential use of supplemental fertilizers)	Soil Monitoring Unit	Composite Soil Sample (see Notes 6 and 7 above)	Electrical Conductivity, Nitrate-N, Ammonium-N, pH, Plant Available Phosphorous Note: Use the Olsen method for soils with pH 6.5 or greater, use Bray method if soil pH is less than 6.5

G. Monitoring Requirements

Frequency	Monitoring Point	Description and Type of Monitoring	Parameters
Annually	Each Hydraulic Management Unit (HMU)	Acres used for the reuse of reclaimed wastewater	1. If all acres of a HMU are used, no site plan submittal is required. 2. If a portion of the HMU permitted acreage is utilized, submit a site plan showing reuse areas within the HMU and quantify the reuse acres. Identify the type(s) of irrigation equipment used.
Annually	Agricultural Areas	Calculate Irrigation Water Requirement	Volume (inches / acre and total gallons) for each month for application season.
Annually	Agricultural Areas	Calculate Application Season Reclaimed Wastewater Loading Rate	Volume (inches / acre and total gallons) for each month for application season.
Annually	Agricultural Areas	Calculate Application Season Supplemental Irrigation Water Loading Rate	Volume (inches / acre and total gallons) for each month for application season.
Annually	Agricultural Areas	Calculate and report total nitrogen and phosphorus loading from reclaimed wastewater	Nitrogen and Phosphorus applied in lbs/acre-year
Annually	All Supplemental Irrigation Connections to the Reclaimed Wastewater Distribution System	Backflow testing	Document the testing of all backflow prevention devices for all supplemental irrigation pumps directly connected to the wastewater distribution system(s). Report the testing date(s) and results of the test (pass or fail). If any test failed, report the date of repair or replacement of backflow prevention device, and if the repaired/replaced device is operating correctly.

G. Monitoring Requirements

Frequency	Monitoring Point	Description and Type of Monitoring	Parameters
Every two years, starting with first year of permit	All flow measurement locations	Flow measurement calibration of all flows to reuse areas.	Document the flow measurement calibration of all flow meters and pumps used directly or indirectly to measure all reclaimed wastewater and supplemental irrigation water flows applied to reuse areas.

H. Standard Reporting Requirements

1. The permittee shall submit an Annual Wastewater-Land Application Site Performance Report ("Annual Report") prepared by a competent environmental professional no later than January 31 of each year which shall cover the previous year (see section F for WLAP reporting period). The Annual Report shall include results for monitoring required in Section G, status of compliance activities, and an interpretive discussion of monitoring data (ground water, vadose zone, hydraulic loading, wastewater etc.) with particular respect to environmental impacts by the facility.

2. The annual report shall contain the results of the required monitoring as described in Section G. Monitoring Requirements. If the permittee monitors any parameter more frequently than required by this permit, the results of this monitoring shall be included in the calculation and reporting of the data submitted in the annual report.

3. The annual report shall be submitted to the Engineering Manager in the applicable Regional DEQ Office.

Boise Regional Office
1445 N. Orchard
Boise, ID 83706-2239
208-373-0550

Coeur d'Alene Regional Office
2110 Ironwood Parkway
Coeur d'Alene, ID 83814
208 -769-1422

Idaho Falls Regional Office
900 N. Skyline, Suite B
Idaho Falls, ID 83402
208-528-2650

Lewiston Regional Office
1118 "F" Street
Lewiston, ID 83501
208-799-4370

Pocatello Regional Office
444 Hospital Way, #300
Pocatello, ID 83201
208-236-6160

Twin Falls Regional Office
601 Pole Line Road, Suite 2
Twin Falls, ID 83301
208-736-2190

A copy of the annual report shall also be mailed to:

Richard Huddleston, P.E.
Wastewater Program Manager
1410 N. Hilton
Boise, ID 83706
208-373-0561

4. Notice of completion of any work described in Section E. Compliance Schedule for Required Activities shall be submitted to the Department within 30 days of activity completion. The status of all other work described in Section E shall be submitted with the Annual Report.

5. All laboratory reports containing the sample results for monitoring required by Section G. Monitoring Requirements of this permit shall be submitted with the Annual Report.

I. Standard Permit Conditions: Procedures and Reporting

1. The permittee shall at all times properly maintain and operate all structures, systems, and equipment for treatment, operational controls and monitoring, which are installed or used by the permittee to comply with all conditions of the permit or the Wastewater-Land Application Permit Regulations, in conformance with a DEQ approved, current Plan of Operations (Operations and Maintenance Manual) which describes in detail the operation, maintenance, and management of the wastewater treatment system. This Plan of Operations shall be updated as necessary to reflect current operations.

2. Wastewater(s) or recharge waters applied to the land surface must be restricted to the premises of the application site unless permission has been obtained from the DEQ authorizing a discharge into the waters of the State as stated in IDAPA 58.01.02.600.02.

3. Wastewater must not create a public health hazard or nuisance condition as stated in IDAPA 58.01.02.600.03. In order to prevent public health hazards and nuisance conditions the permittee shall:

   a. Apply wastewater as evenly as practicable to the treatment area;
   b. Prevent organic solids (contained in the wastewater) from accumulating on the ground surface to the point where the solids putrefy or support vectors or insects; and
   c. Prevent wastewater from ponding in the fields to the point where the ponded wastewater putrefies or supports vectors or insects.

4. The permittee shall:

   a. Manage the wastewater land application treatment site as an agronomic operation where vegetative cover is grown and harvested or grazed to utilize the nutrients and minerals in the wastewater, and,
   b. Not hydraulically overload any particular areas of the wastewater land application treatment site.

5. All waste solids, including dredgings and sludges, shall be utilized or disposed in a manner which will prevent their entry, or the entry of contaminated drainage or leachate therefrom, into the waters of the state such that health hazards and nuisance conditions are not created; and to prevent impacts on designated beneficial uses of the ground water and surface water. The permittee's management of waste solids shall be governed by the terms of the DEQ approved Waste Solids Management Plan, which upon approval shall be an enforceable portion of this permit.

6. If the permittee intends to continue operation of the permitted facility after the expiration of an existing permit, the permittee shall apply for a new permit at least six months prior to the expiration date of the existing permit in accordance with the Waste Water Land Application Permit Regulations and include seepage tests on all lagoons per latest DEQ procedures.

7. The permittee shall allow the Director of the Idaho Department of Environmental Quality or the Director's designee (hereinafter referred to as Director), consistent with Title 39, Chapter 1, Idaho Code, to:

   a. Enter the permitted facility,
   b. Inspect any records that must be kept under the conditions of the permit.
   c. Inspect any facility, equipment, practice, or operation permitted or required by the permit.
   d. Sample or monitor for the purpose of assuring permit compliance, any substance or any parameter at the facility.

8. The permittee shall report to the Director under the circumstances and in the manner specified in this section:

   a. In writing thirty (30) days before any planned physical alteration or addition to the permitted facility or activity if that alteration or addition would result in any significant change in information that was submitted during the permit application process.
   b. In writing thirty (30) days before any anticipated change which would result in non-compliance with any permit condition or these regulations.
   c. Orally within twenty-four (24) hours from the time the permittee became aware of any non-compliance which may endanger the public health or the environment at telephone numbers provided in the permit by the Director (see below)

      DEQ Regional Office: see Permit Certification Page
      Emergency 24 Hour Number 1-800-632-8000

d. In writing as soon as possible but within five (5) days of the date the permittee knows or should know of any non-compliance unless extended by the DEQ. This report shall contain:

   i. A description of the non-compliance and its cause;
   ii. The period of non-compliance including to the extent possible, times and dates and, if the non-compliance has not been corrected, the anticipated time it is expected to continue; and
   iii. Steps taken or planned to reduce or eliminate reoccurrence of the non-compliance.

e. In writing as soon as possible after the permittee becomes aware of relevant facts not submitted or incorrect information submitted, in a permit application or any report to the Director. Those facts or the correct information shall be included as a part of this report.

9. The permittee shall take all necessary actions to prevent or eliminate any adverse impact on the public health or the environment resulting from permit noncompliance.

10. The permittee shall determine (on an on-going basis) if any noxious weed problems relate to the permitted sites. If problems are present, coordinate with the Idaho Department of Agriculture or the local County authority regarding their requirements for noxious weed control. Also address these control operations in an update to the Operations and Maintenance Manual.

J. Standard Permit Conditions: Modifications, Violations, and Revocations

1. The permittee shall furnish to the Director within reasonable time, any information including copies of records, which may be requested by the Director to determine whether cause exists for modifying, revoking, re-issuing, or terminating the permit, or to determine compliance with the permit or these regulations.

2. Both minor and major modifications may be made to this permit as stated in IDAPA 58.01.17.700.01 and 02 with respect to any conditions stated in this permit upon review and approval of the DEQ.

3. Whenever a facility expansion, production increase or process modification is anticipated which will result in a change in the character of pollutants to be discharged or which will result in a new or increased discharge that will exceed the conditions of this permit, or if it is determined by the DEQ that the terms or conditions of the permit must be modified in order to adequately protect the public health or environment, a request for either major or minor modifications must be submitted together with the reports as described in I. *Standard Reporting Requirements*, and plans and specifications for the proposed changes. No such facility expansion, production increase or process modification shall be made until plans have been reviewed and approved by the DEQ and a new permit or permit modification has been issued.

4. Permits shall be transferable to a new owner or operator provided that the permittee notifies the Director by requesting a minor modification of the permit before the date of transfer.

5. Any person violating any provision of the Waste Water Land Application Permit Regulations, or any permit or order issued thereunder shall be liable for a civil penalty not to exceed ten thousand dollars ($10,000) or one thousand dollars ($1,000) for each day of a continuing violation, whichever is greater. In addition, pursuant to Title 39, Chapter 1, Idaho Code, any willful or negligent violation may constitute a misdemeanor.

6. The Director may revoke a permit if the permittee violates any permit condition or the Wastewater Land Application Permit Regulations.

7. Except in cases of emergency, the Director shall issue a written notice of intent to revoke to the permittee prior to final revocation. Revocation shall become final within thirty-five (35) days of receipt of the notice by the permittee, unless within that time the permittee request an administrative hearing in writing to the Board of the Department of Environmental Quality pursuant to the Rules of Administrative Procedures contained in IDAPA 58.01.23.

8. If, pursuant to Idaho Code ə 67-5247, the Director finds the public health, safety or welfare requires emergency action, the Director shall incorporate findings in support of such action in a written notice of emergency revocation issued to the permittee. Emergency revocation shall be effective upon receipt by the permittee. Thereafter, if requested by the permittee in writing, a revocation hearing before the Board of the Department of Environmental Quality shall be provided. Such hearings shall be conducted in accordance with the Rules of Administrative Procedures contained in IDAPA 58.01.23.

9. The provisions of this permit are severable and if a provision or its application is declared invalid or unenforceable for any reason, that declaration will not affect the validity or enforceability of the remaining provisions.

10. The permittee shall notify the DEQ at least six (6) months prior to permanently removing any permitted land application facility from service, including any treatment, storage, or other facilities or equipment associated with the land application site. Prior to commencing closure activities, the permittee shall: a) participate in a pre-site closure meeting with the DEQ; b) develop a site closure plan that identifies specific closure, site characterization, or cleanup tasks with scheduled task completion dates in accordance with agreements made at the pre-site closure meeting; and c) submit the completed site closure plan to the DEQ for review and approval within forty-five (45) days of the pre-site closure meeting. The permittee must complete the DEQ approved site closure plan.

Appendix 1
Environmental Monitoring Serial Numbers

HYDRAULIC MANAGEMENT UNITS

Serial Number	Description	Acres
MU-017401	Agricultural: Orchard along Seaman's Gulch Road (Area 3.1.a)	9.54
MU-017406	Agricultural: 3rd and 4th Addition open space areas and pre-development areas in future Phase 6	65.4
MU-017407	Landscape Irrigation: Phase 1, Phase 2, 3rd Addition, and 4th Addition common landscaping areas (Areas 3.1.d, 3.1.e, 3.1.f, 3.2.a, 3.2.c, 3.2.f, 3.2.g, 3.2.h, 3.3.b, 3.3.e, 3.3.f, 3.3.h – 3.3.o, 3.4.f – 3.4.l, 3.4.n–3.4.q, and 3.4.w – 3.4.z)	11.11
MU-017408	Public Gathering Areas: Phase 1, Phase 2, 3rd Addition, 4th Addition public gathering areas, and the school grounds (Areas 3.1.b, 3.1.c, 3.1.g, 3.2.b, 3.2.d, 3.2.e, 3.3.c, 3.3.d, 3.3.g, 3.4.a – 3.4.e, 3.4.m, 3.4.r – 3.4.v)	19.46

RECLAIMED WASTEWATER SAMPLING POINTS

Serial Number	Description
WW-017401	Influent to Treatment System
WW-017402	Effluent from Treatment Cells, Prior to Discharge into the Storage Reservoir
WW-017403	Filtration System Effluent, Prior to Disinfection
WW-017404	Reclaimed Wastewater, Sample Point Located Near Primary Lift Station

SOIL MONITORING UNITS

Serial Number	Description	Associated MU
SU-017401	Agricultural: Orchard along Seaman's Gulch Road (Area 3.1.a)	MU-017401
SU-017405	Agricultural: 3rd and 4th Addition open space areas and pre-development areas in future Phase 6	MU-017406

Appendix 1
Environmental Monitoring Serial Numbers

LAGOONS

Serial Number	Description
LG-017401	Cell 1
LG-017402	Cell 2
LG-017403	Storage Lagoon

Appendix 2
Site Maps

Site Map 1: Vicinity Map (Figure 1-1)

Site Map 2: Hidden Springs, Location of Key Site Features (Figure 2-1)

Site Map 3: Hidden Springs, Location of Proposed Modified Reclamation Water Application Areas, Figure 1

Site Map 4: Hidden Springs – Phase 1 Modified Reclaimed Water Irrigation Areas, Figure 3.1-1

Site Map 5: Hidden Springs – Phase 2 Modified Reclaimed Water Irrigation Areas, Figure 3.2-1

Site Map 6: Hidden Springs – 3rd Addition Modified Reclaimed Water Irrigation Areas, Figure 3.3-1

Site Map 7: Hidden Springs – 4th Addition Reclaimed Water Irrigation Areas, Figure 3.4-1

Note: Maps are available for viewing at DEQ's Boise Regional Office, 1445 N. Orchard.